

FIG. 1

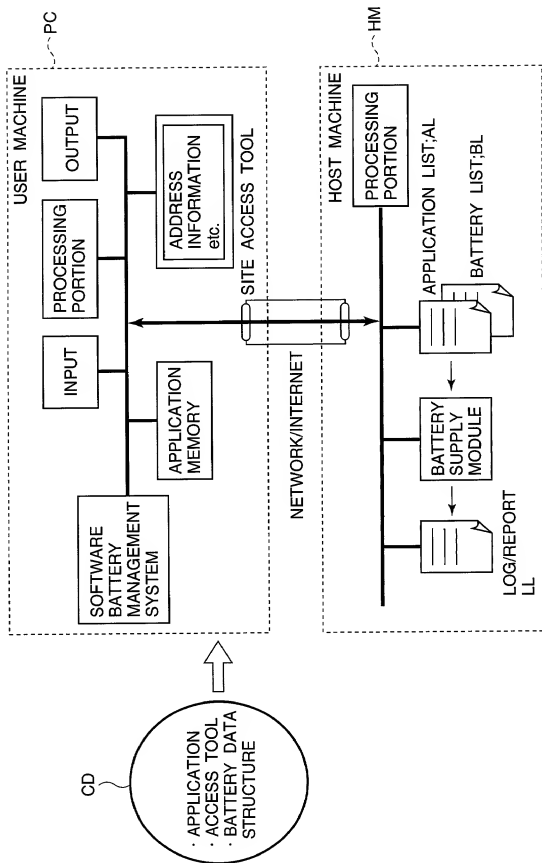


FIG.2

APPLICATION LIST:AL

APPLICATION ID	APPLICATION NAME	BATTERY ID	VALID/INVALID
		←	

BATTERY LIST:BL

BATTERY ID	RIGHTFUL PERSON ID	BATTERY SUPPLY UNIT	BATTERY UNIT PRICE

BATTERY SUPPLY HISTORY:BH

DATE AND TIME	KEY 1	KEY 3	APPLICATION ID	BATTERY ID	SUPPLY AMOUNT

KEY 1 CAN BE USED FOR IDENTIFYING USER

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FIG.3

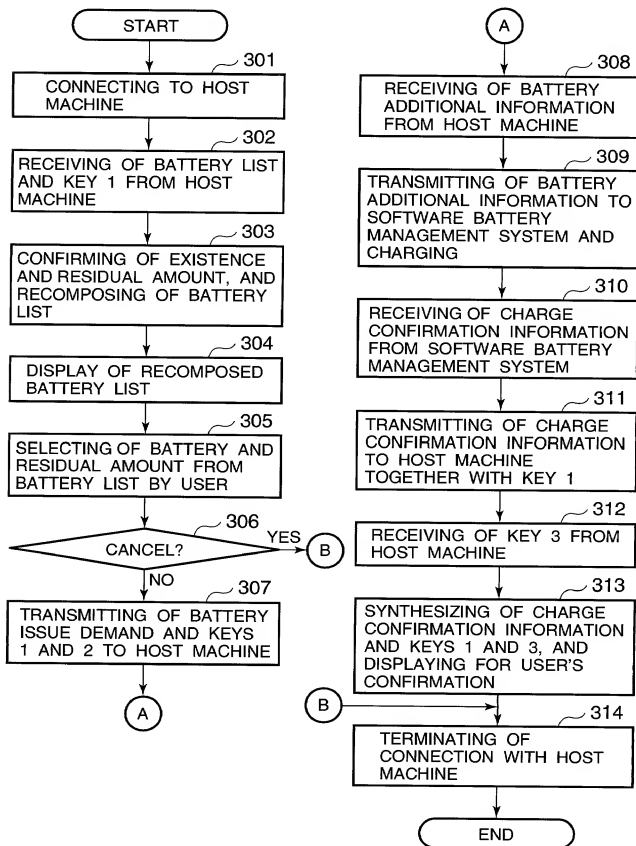


FIG.4

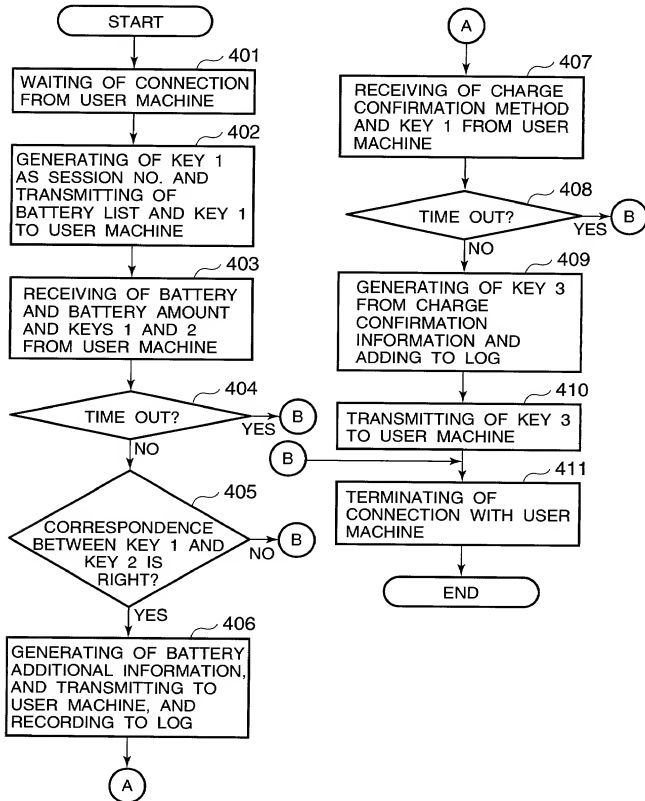


FIG.5

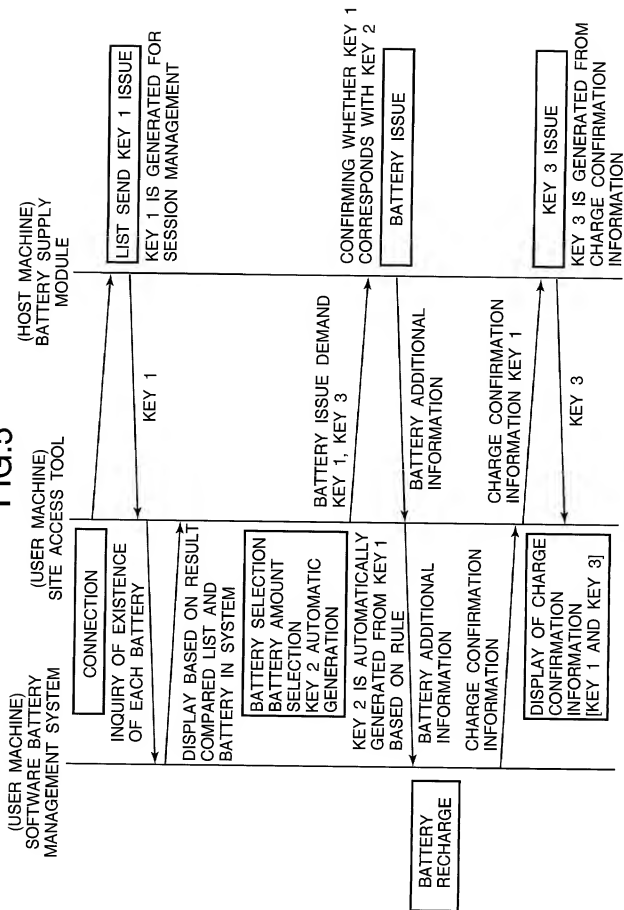
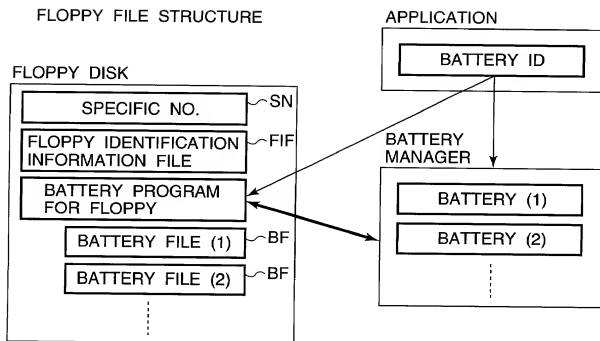
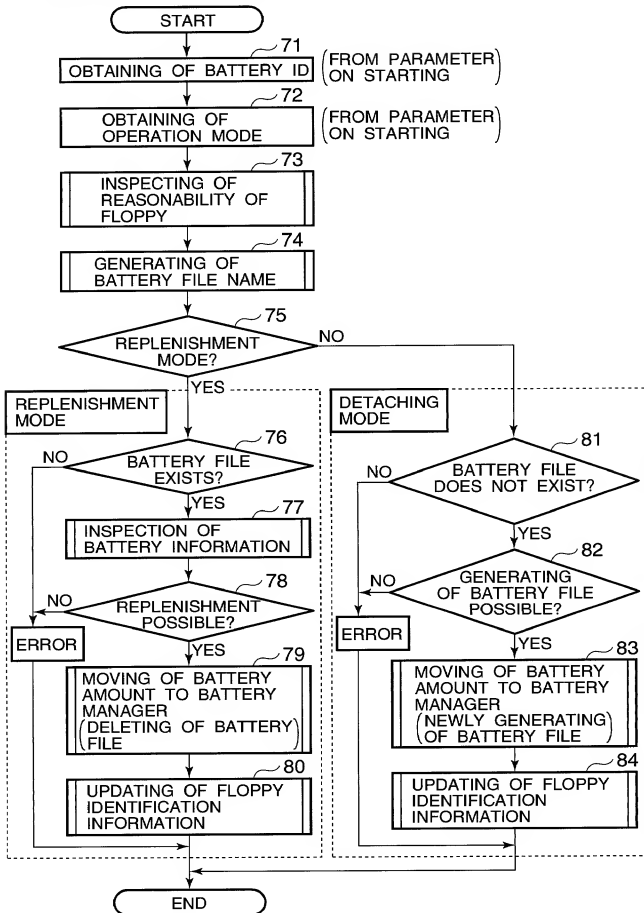


FIG.6



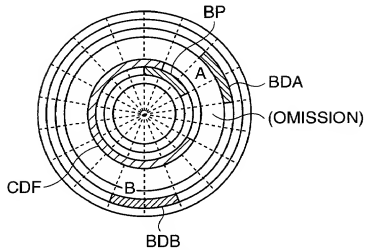
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OPERATION SUMMARY OF
BATTERY PROGRAM FOR FLOPPY

FIG.7



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BATTERY SPECIAL FD



BATTERY MANAGEMENT DATA FORMAT

FLOPPY SERIAL NO.

DATE AND TIME INFORMATION OF LAST OPERATION
--

BATTERY ID OF LAST OPERATION

BATTERY SUMMARY OF LAST OPERATION *1

*1: NUMERICAL DATA SUCH AS
"CHECK SUM" FOR CHECKING
WHETHER BATTERY DATA IS
INTERPOLATED

BATTERY DATA FORMAT

BATTERY TYPE IDENTIFICATION INFORMATION *2

BATTERY CAPACITY (INTEGER) *2

CHARGING ACCEPTANCE DISCRIMINATION FLAG
--

DETACHING ACCEPTANCE DISCRIMINATION FLAG

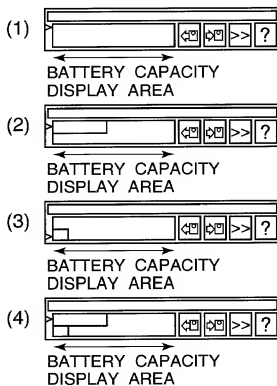
PREDICTION VALUE OF REMAINING USE TIME/TIMES

*2: HAVING BATTERY TYPE AND
CAPACITY COLLECTIVELY IN
ONE NUMERICAL VALUE IS
ALSO POSSIBLE

FIG.8

104150-48925860

FIG.9



(5)

〈BATTERY MOUNTING SITUATION〉					
TYPE	PRESENCE/ ABSENCE	RESIDUAL	PRESUNED REMAINING TIME	PROCESSING	
TRIAL	PRESENCE	10UNIT	××MINUTES	CHARGING	DETACHING
NORMAL	PRESENCE	100UNIT	××MINUTES	CHARGING	DETACHING
UNLIMITED	ABSENCE	—	—	CHARGING	DETACHING

〈CONSUMPTION ORDER〉
IT IS CONSUMED FROM NORMAL BATTERY
☐PREPARING OF USE HISTORY FILE

(6)

GRAPHIC DISPLAY TEXT DISPLAY
NON-DISPLAY

FIG.10

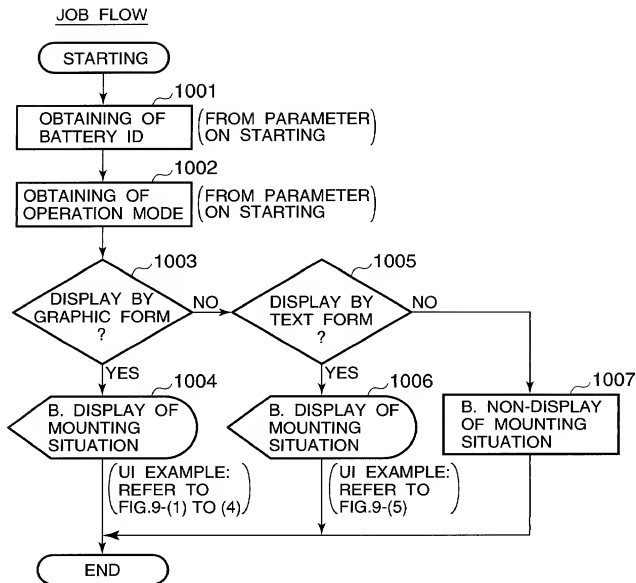


FIG.11

SCREEN DISPLAY EXAMPLE 1

(1)

PREDICTION DISPLAY SCREEN


(BATTERY MOUNTING SITUATION)					
TYPE	PRESENCE/ ABSENCE	RESIDUAL	PRESUMED REMAINING TIME	PROCESSING	
TRIAL	PRESENCE	10UNIT	XXMINUTES	CHARGING	DETACHING
NORMAL	PRESENCE	100UNIT	XXMINUTES	CHARGING	DETACHING
UNLIMITED	ABSENCE	—	—	CHARGING	DETACHING

<CONSUMPTION ORDER>
IT IS CONSUMED FROM NORMAL BATTERY
☐PREPARING OF USE HISTORY FILE

DELETE USE HISTORY FILE CLOSE HELP

(2)

RESIDUAL WARNING DISPLAY SCREEN

 BATTERY PRESENT IN USE BECOMES
IMPOSSIBLE TO USE,
IF XX TIMES(XX MINUTES)
USE IS CARRIED OUT !

CLOSE HELP

DATA FORMAT IN BATTERY

BATTERY TYPE IDENTIFICATION INFORMATION *2
BATTERY CAPACITY (INTEGER) *2
CHARGING ACCEPTANCE DISCRIMINATION FLAG
DETACHING ACCEPTANCE DISCRIMINATION FLAG
CALCULATION RESULT OF REMAINING USE TIME/TIMES *3

*2:HAVING BATTERY TYPE AND
CAPACITY COLLECTIVELY IN
ONE NUMERAL VALUE IS
ALSO POSSIBLE

*3:CALCULATING · UPDATING BASED
ON TOTAL FILE OF USE HISTORY/
INFORMATION ACCUMULATED IN
MAIN PART

USE HISTORY INFORMATION
ACCUMULATED IN SYSTEM

<DETAILED DATA FILE>

BATTERY ID
DATE AND TIME OF USE START
DATE AND TIME OF SOFTWARE USE END
USE TIME
USE UNIT NUMBER

<TOTAL DATA FILE>

BATTERY ID
ACCUMULATION USE TIME
ACCUMULATION USE UNIT NUMBER

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FIG.12 FUNCTION FOR PREDICTING TIME/TIMES CAN BE USED
 FROM BATTERY RESIDUAL AMOUNT

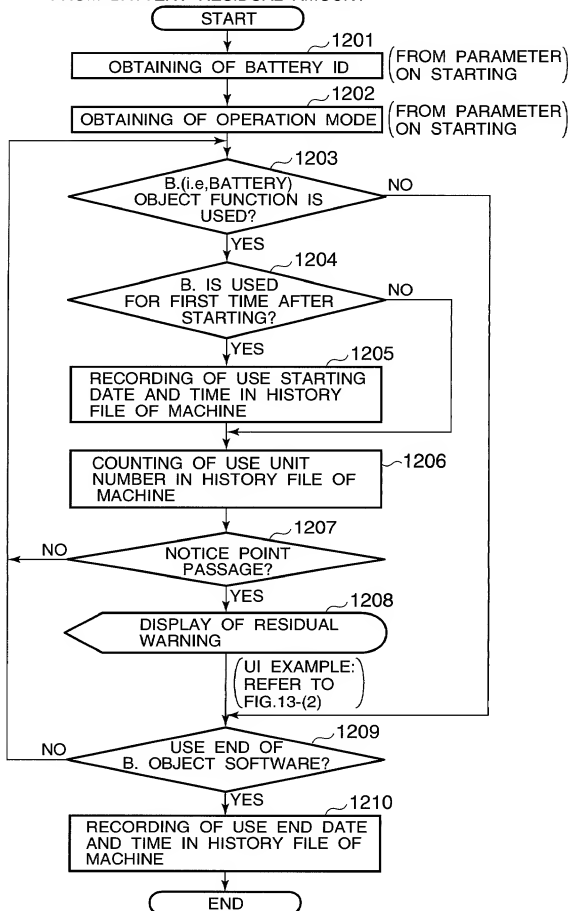
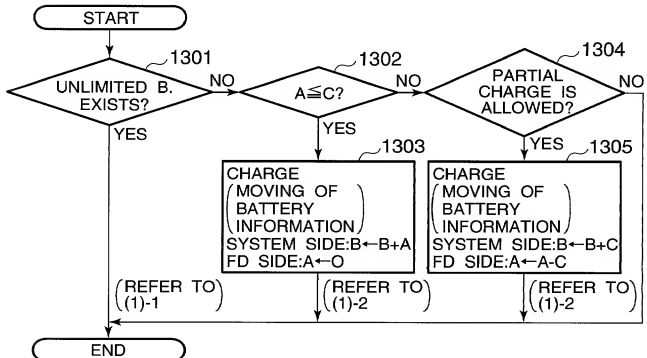


FIG.13



CASE OF NORMAL BATTERY CHARGING

〈PREMISE〉 A=BATTERY CAPACITY STORED IN FD OF CHARGING SOURCE
B=RESIDUAL CAPACITY OF NORMAL B. OF CHARGING SOURCE
C=FREE CAPACITY OF NORMAL B. OF CHARGING SOURCE



(1)-1
DISPLAY OF WINDOW
FOR EXPLAINING
PURPORT CANNOT
CHARGED

THIS APPLICATION
CANNOT CHARGE
NORMAL BATTERY,
SINCE UNLIMITED
BATTERY HAS BEEN
MOUNTED.

OK

HELP

(1)-2
DISPLAY OF ANIMATION
WHICH WHITE LINE
OF BATTERY IS
ROTATING

NORMAL BATTERY
UNDER CHARGING



CANCEL

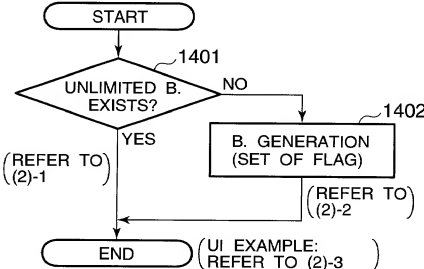
(1)-3
DISPLAY OF BATTERY
SHOWING
FULL-CHARGE STATE

NORMAL BATTERY
CHARGE
COMPLETION



OK

CASE OF UNLIMITED BATTERY CHARGING



NOTE: B. IS ABBREVIATION
OF BATTERY

(2)-1
DISPLAY OF WINDOW
EXPLAINING PURPORT
WHICH UNLIMITED
BATTERY HAS ALREADY
BEEN MOUNTED

(2)-2
DISPLAY OF ANIMATION
WHICH WHITE LINE
OF BATTERY IS

(2)-3
DISPLAY OF
MOUNTING
COMPLETION STATE

UNLIMITED BATTERY
HAS ALREADY BEEN
MOUNTED IN THIS
APPLICATION.

HELP

UNLIMITED BATTERY
UNDER MOUNTING



CANCEL

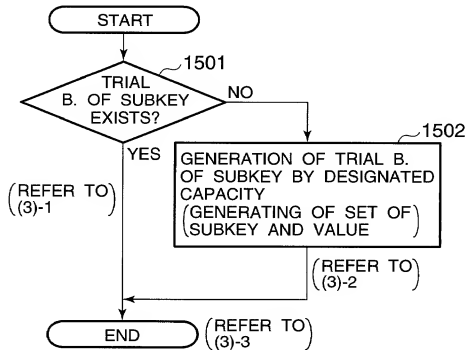
UNLIMITED BATTERY MOUNTING COMPLETION



OK

FIG.15

CASE OF TRIAL BATTERY CHARGING
(→CASE OF TRIAL BATTERY MOUNTING)




(3-1)
 DISPLAY OF WINDOW
 EXPLAINING PURPOSE
 WHICH TRIAL BATTERY
 OF SUBKEY HAS
 ALREADY BEEN
 MOUNTED

THIS TRIAL BATTERY HAS ALREADY BEEN USED IN YOUR MACHINE. DOUBLE MOUNTING CANNOT BE PERFORMED.

OK HELP

(3-2)
 DISPLAY OF ANIMATION
 WHICH WHITE LINE
 OF BATTERY IS
 ROTATING

UNDER TRIAL BATTERY MOUNTING



CANCEL

(3-3)
 DISPLAY OF
 MOUNTING
 COMPLETION STATE

TRIAL BATTERY MOUNTING COMPLETION



OK

ABSOLUTE TERM TYPE

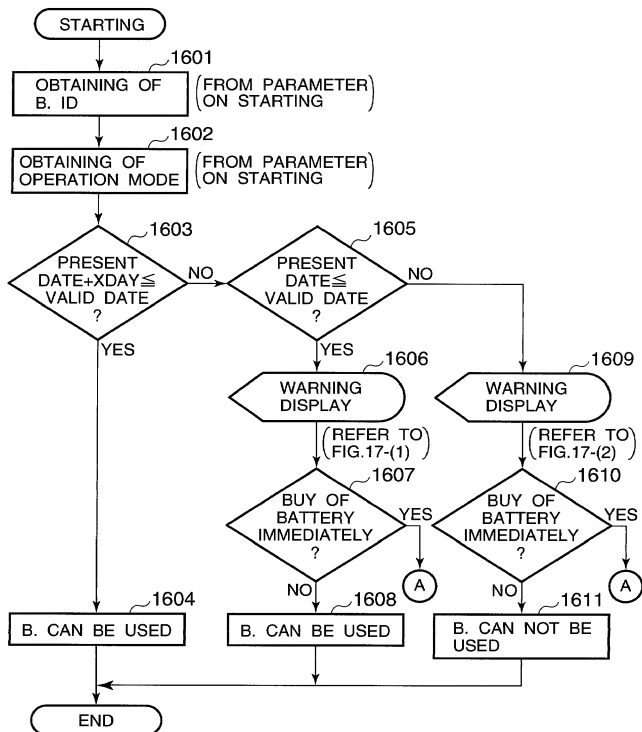


FIG.17

(1)

DISPLAY OF WARNING MESSAGE
FROM X DAYS BEFORE OF VALID
DATE TO THAT DATE

THIS APPLICATION'S TRIAL
BATTERY CAN BE USED UNTIL
XX(DATE)/XX(MONTH).
PLEASE BUY BATTERY FROM
THE FOLLOWING SITE, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

(2)

DISPLAY OF WARNING MESSAGE
AFTER PROGRESS OF VALID DATE

THIS APPLICATION'S TRIAL
BATTERY EXPIRED ON
XX(DATE)/XX(MONTH).
PLEASE BUY BATTERY FROM
THE FOLLOWING SITE, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

FIG.18

(2) TERM LIMITATION TYPE

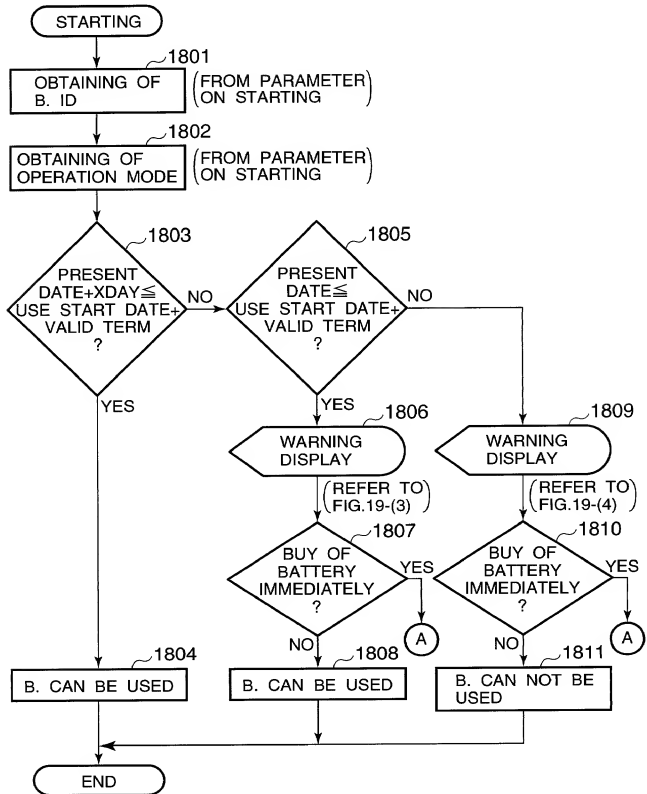


FIG.19

(3)

DISPLAY OF WARNING MESSAGE
FROM X DAYS BEFORE VALID
TERM TO LAST DATE OF
VALID TERM

THIS APPLICATION'S TRIAL
BATTERY CAN BE USED FOR
ONLY XX DAYS.
PLEASE BUY BATTERY FROM
THE FOLLOWING SITE, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

(4)

DISPLAY OF WARNING MESSAGE
AFTER PROGRESS OF VALID TERM

THIS APPLICATION'S BATTERY
EXPIRED VALID TERM.
PLEASE BUY BATTERY FROM
THE FOLLOWING SITE, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

<http://www.ucharge.com/battery/>

FIG.20

UN-USE TERM TRIGGER TYPE: JUDGED BASED ON
 "LATEST USE DATE" AND
 "UN-USE TERM" IN BATTERY

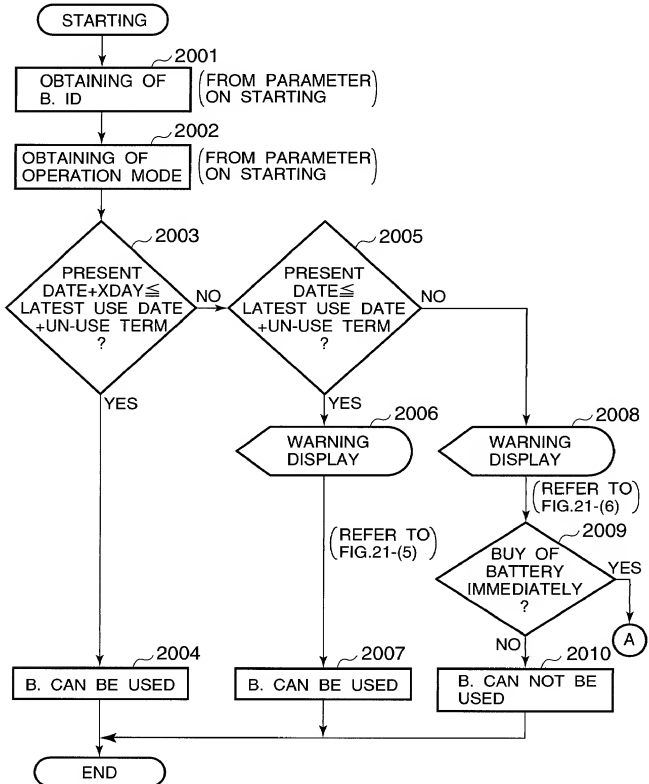


FIG.21

(5)

DISPLAY OF WARNING MESSAGE
FROM X DAYS BEFORE OF EXPIRY
DATE OF SET UN-USE TERM
TO EXPIRY DATE

THIS APPLICATION'S TRIAL
BATTERY IS NOT USED FOR
LATEST XX MONTHS.
WHEN NOT USED FOR XX MORE
DAYS, THIS TRIAL BATTERY
BECOMES INVALID.

CLOSE

HELP

(6)

DISPLAY OF WARNING MESSAGE
AFTER PROGRESS OF
UN-USE TERM

THIS APPLICATION'S TRIAL
BATTERY BECAME INVALID,
BECAUSE IT WAS NOT USED
FOR LATEST XX MONTHS.
IF YOU USE THIS APPLICATION
SUCCEEDINGLY, PLEASE BUY
BATTERY FROM THE FOLLOWING
SITE.

<http://www.ucharge.com/battery/>

BUY NOW


BUY LATER

HELP

[illegible]

FIG.23

(1)
NOTICE SCREEN OF
BATTERY RESIDUAL
QUANTITY 0

 BATTERY BECAME EMPTY.

☐ BUY NOW
☒ BUY LATER

(2)
S.A.T. SCREEN

<p>ABCD SALE</p> <p>BATTERY SALE SITE</p> <p><input type="button" value="BUY"/></p> <p><input type="button" value="CONNECT"/></p> <p><input type="button" value="CUT"/></p> <p><input type="button" value="SET UP"/></p> <p><input type="button" value="HELP"/></p> <p><input type="button" value="END"/></p>		<p>DISPLAY AREA OF NOTICE FROM SITE</p>
<p>BATTERY LIST</p> <p><input type="checkbox"/> AAA NORMAL ¥2,800</p> <p><input type="checkbox"/> AAA UNLIMITED ¥9,800</p> <p><input type="checkbox"/> BBB NORMAL ¥980</p> <p><input type="checkbox"/> BBB UNLIMITED ¥4,980</p> <p><input type="checkbox"/> CCC NORMAL ¥3,000</p> <p><input type="checkbox"/> CCC UNLIMITED ¥15,000</p>	<p>DISPLAY AREA</p>	

CONTENTS OF PRODUCTS: <http://www.abcdco.jp/product/> CONTACT US: info@abcdco.jp

(3)
REQUEST SCREEN FOR DOWNLOAD
OF S.A.T.

PLEASE DOWNLOAD S.A.T.
FOR "ABCDEFG" FROM THE
FOLLOWING SITE.

<http://www.ucharge.com/sat/>

FIG.24

JOB FLOW

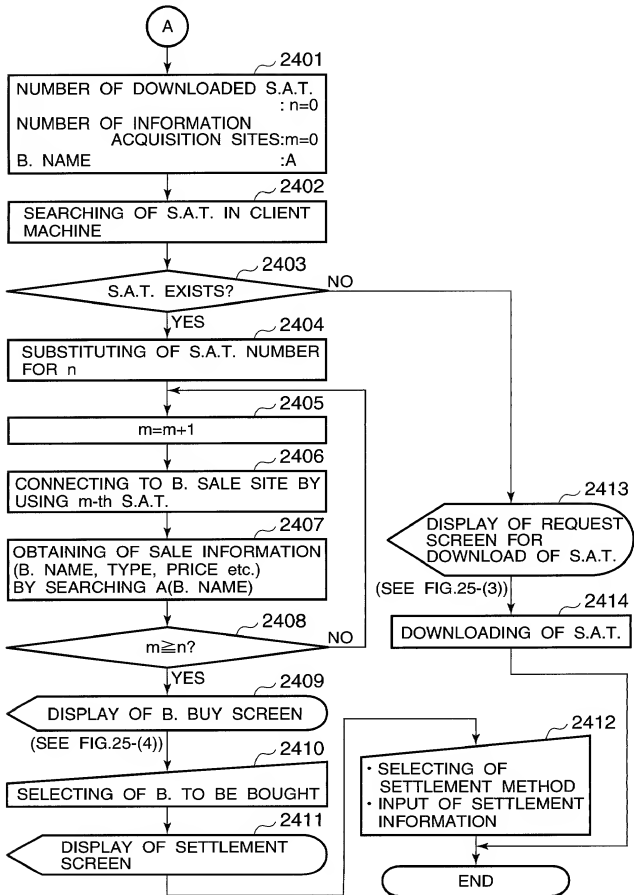


FIG.25

UI(USER INTERFACE)

(4)

BATTERY BUY SCREEN
 LISTING OF BUY TARGET BATTERY'S
 INFORMATION SEARCHED BY ALL S.A.T.
 IN CLIENT MACHINE

BATTERY NAME:ABCDEFG		
SALE SITE	TYPE	PRICE
YYY	NORMAL	¥ 5,000
PPP	NORMAL	¥ 4,800
PPP	UNLIMITED	¥ 9,800

(3)

S.A.T. DOWNLOAD REQUEST SCREEN

PLEASE DOWNLOAD S.A.T. FOR
 "ABCDEFG" FROM THE FOLLOWING
 SITE.

<http://www.ucharge.com/sat/>

(1) PREPAID TYPE

FIG.26

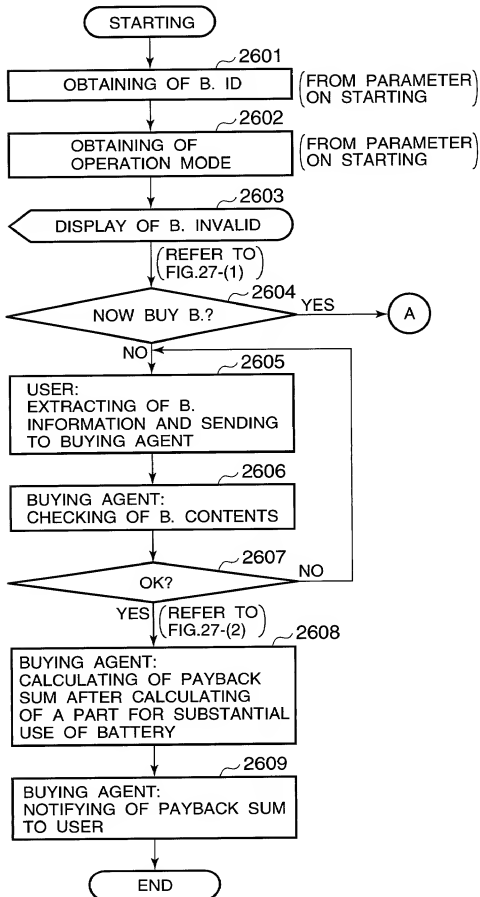


FIG.27

(1)

DISPLAY OF MESSAGE FOR
NOTIFYING NORMAL BATTERY
INVALID

THIS APPLICATION'S NORMAL
BATTERY BECAME INVALID ON
XX(DATE)/XX(MONTH).
PLEASE BUY BATTERY, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

BUY NOW

BUY LATER

HELP

(2)

- IN CASE THAT ABNORMALITY IS
DISCOVERED IN CONTENTS BY
CHECKING OF B. INFORMATION,
WARNING MESSAGE IS DISPLAYED
TO BUYING AGENT'S MACHINE
- ERROR CODE IS DISPLAYED BY
CLICKING OF DETAILS

DATA CANNOT BE READ FROM
THIS BATTERY INFORMATION.
AGAIN, PLEASE GET BATTERY
INFORMATION FROM USER.

CLOSE

DETAILS

(2) DEFERRED PAY TYPE

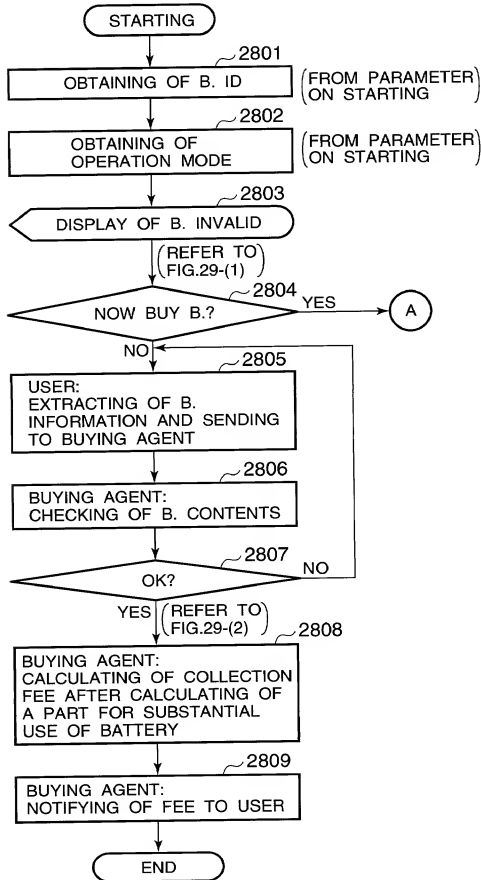


FIG.29

(1)

DISPLAY OF MESSAGE FOR
NOTIFYING NORMAL BATTERY
INVALID

THIS APPLICATION'S NORMAL
BATTERY BECAME INVALID ON
XX(DATE)/XX(MONTH).
PLEASE BUY BATTERY, IF YOU
USE THIS APPLICATION
SUCCEEDINGLY.

(2)

- IN CASE THAT ABNORMALITY IS
DISCOVERED IN CONTENTS BY
CHECKING OF B. INFORMATION,
WARNING MESSAGE IS DISPLAYED
TO BUYING AGENT'S MACHINE
- ERROR CODE IS DISPLAYED BY
CLICKING OF DETAILS

DATA CANNOT BE READ FROM
THIS BATTERY INFORMATION.
AGAIN, PLEASE GET BATTERY
INFORMATION FROM USER.